

**CRF Errors Edited by the STIC Systems  
Branch**

Serial Number: 10/629,266A

CRF Edit Date: 8/27/04  
Edited by: KL

\_\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

**ENTERED**

\_\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_\_ page numbers

\_\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_ Other:



IFWO

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/629,266A

TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

```

3 <110> APPLICANT: Zhang, Yeyan
4      Wilson, C. Ron
5      Craft, David L.
6      Eirich, L. Dudley
7      Frayer, Robert
9 <120> TITLE OF INVENTION: USE OF POX4 PROMOTER TO INCREASE GENE EXPRESSION IN Candida
10     tropicalis
12 <130> FILE REFERENCE: U0158 OS/OAPT (1010-93)
14 <140> CURRENT APPLICATION NUMBER: 10/629,266A
15 <141> CURRENT FILING DATE: 2003-07-29
17 <150> PRIOR APPLICATION NUMBER: 60/401,212
18 <151> PRIOR FILING DATE: 2002-08-05
20 <160> NUMBER OF SEQ ID NOS: 34
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24 <210> SEQ ID NO: 1
25 <211> LENGTH: 18
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: primer
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33 caaccgaata accgtgtg                                     18
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37 <211> LENGTH: 33
38 <212> TYPE: DNA
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42 <223> OTHER INFORMATION: primer
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49 <211> LENGTH: 39
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51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: primer
56 <400> SEQUENCE: 3
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61 <211> LENGTH: 39
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:

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69 ttctaggagt tgttcaatca ttatgtcgtg aagatttga 39
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73 <211> LENGTH: 39
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75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
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84 <210> SEQ ID NO: 6
85 <211> LENGTH: 39
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: primer
92 <400> SEQUENCE: 6
93 tcaaattcttc acgacataat gactgtacac gatattatc 39
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: primer
104 <400> SEQUENCE: 7
105 ttaattaact gtgcccttgc attgtag 27
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 39
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: primer
116 <400> SEQUENCE: 8
117 tcaaattcttc acgacataat gattgaacaa ctcctagaa 39
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: primer
128 <400> SEQUENCE: 9
129 ttaattaagg cctgcctct gatggag 27
132 <210> SEQ ID NO: 10
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135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: primer

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TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

140 <400> SEQUENCE: 10	
141 tcaaattcttc acgacataat ggcttttagac aagtttagat	39
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157 <211> LENGTH: 16	
158 <212> TYPE: DNA	
159 <213> ORGANISM: Artificial Sequence	
161 <220> FEATURE:	
162 <223> OTHER INFORMATION: primer	
164 <400> SEQUENCE: 12	
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168 <210> SEQ ID NO: 13	
169 <211> LENGTH: 17	
170 <212> TYPE: DNA	
171 <213> ORGANISM: Artificial Sequence	
173 <220> FEATURE:	
174 <223> OTHER INFORMATION: primer	
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182 <212> TYPE: DNA	
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185 <220> FEATURE:	
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192 <210> SEQ ID NO: 15	
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194 <212> TYPE: DNA	
195 <213> ORGANISM: Artificial Sequence	
197 <220> FEATURE:	
198 <223> OTHER INFORMATION: primer	
200 <400> SEQUENCE: 15	
201 tgccaccaag aacactaccc	20
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205 <211> LENGTH: 16	
206 <212> TYPE: DNA	
207 <213> ORGANISM: Artificial Sequence	
209 <220> FEATURE:	
210 <223> OTHER INFORMATION: primer	
212 <400> SEQUENCE: 16	

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/629,266A

TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

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222 <223> OTHER INFORMATION: primer	
224 <400> SEQUENCE: 17	
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228 <210> SEQ ID NO: 18	
229 <211> LENGTH: 21	
230 <212> TYPE: DNA	
231 <213> ORGANISM: Artificial Sequence	
233 <220> FEATURE:	
234 <223> OTHER INFORMATION: primer	
236 <400> SEQUENCE: 18	
237 tcttatttgg tgagtcogtg c	21
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242 <212> TYPE: DNA	
243 <213> ORGANISM: Artificial Sequence	
245 <220> FEATURE:	
246 <223> OTHER INFORMATION: primer	
248 <400> SEQUENCE: 19	
249 cccaagaaac ttcagaatcg c	21
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253 <211> LENGTH: 22	
254 <212> TYPE: DNA	
255 <213> ORGANISM: Artificial Sequence	
257 <220> FEATURE:	
258 <223> OTHER INFORMATION: primer	
260 <400> SEQUENCE: 20	
261 tacaaccttg gtgggggtgtg tg	22
264 <210> SEQ ID NO: 21	
265 <211> LENGTH: 17	
266 <212> TYPE: DNA	
267 <213> ORGANISM: Artificial Sequence	
269 <220> FEATURE:	
270 <223> OTHER INFORMATION: primer	
272 <400> SEQUENCE: 21	
273 caggaaacag ctatgac	17
276 <210> SEQ ID NO: 22	
277 <211> LENGTH: 20	
278 <212> TYPE: DNA	
279 <213> ORGANISM: Artificial Sequence	
281 <220> FEATURE:	
282 <223> OTHER INFORMATION: primer	
284 <400> SEQUENCE: 22	
285 tatgctgaag gtgacgacgg	20

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/629,266A

TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

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288 <210> SEQ ID NO: 23
289 <211> LENGTH: 20
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: primer
296 <400> SEQUENCE: 23
297 tgctggggttt gctcctgatg                                20
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 22
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: primer
308 <400> SEQUENCE: 24
309 cccattgag aggtttcgtt ag                                22
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 22
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: primer
320 <400> SEQUENCE: 25
321 gaatctctct ttctcccaac gc                                22
324 <210> SEQ ID NO: 26
325 <211> LENGTH: 22
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: primer
332 <400> SEQUENCE: 26
333 tttttttctc tgtgcttccc cc                                22
336 <210> SEQ ID NO: 27
337 <211> LENGTH: 22
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: primer
344 <400> SEQUENCE: 27
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348 <210> SEQ ID NO: 28
349 <211> LENGTH: 24
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: primer
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**VERIFICATION SUMMARY**

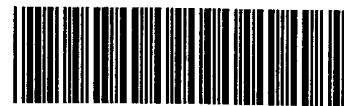
PATENT APPLICATION: US/10/629,266A

DATE: 08/27/2004

TIME: 12:41:21

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw



IFWO

## RAW SEQUENCE LISTING

DATE: 08/25/2004

PATENT APPLICATION: US/10/629,266A

TIME: 15:38:52

Input Set : A:\1010-93.SEQUENCE.ST25.txt

Output Set: N:\CRF4\08252004\J629266A.raw

3 <110> APPLICANT: Zhang, Yeyan  
 4 Wilson, C. Ron  
 5 Craft, David L.  
 6 Eirich, L. Dudley  
 7 Frayer, Robert  
 9 <120> TITLE OF INVENTION: USE OF POX4 PROMOTER TO INCREASE GENE EXPRESSION IN Candida  
 10 tropicalis  
 12 <130> FILE REFERENCE: U0158 OS/OAPT (1010-93)  
 14 <140> CURRENT APPLICATION NUMBER: 10/629,266A  
 15 <141> CURRENT FILING DATE: 2003-07-29  
 17 <150> PRIOR APPLICATION NUMBER: 60/401,212  
 18 <151> PRIOR FILING DATE: 2002-08-05  
 20 <160> NUMBER OF SEQ ID NOS: 34  
 22 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply  
 Corrected Diskette Needed  
 (pg. 12)

## RORED SEQUENCES

420 <210> SEQ ID NO: 34  
 421 <211> LENGTH: 23  
 422 <212> TYPE: PRT  
 423 <213> ORGANISM: Artificial Sequence  
 425 <220> FEATURE:  
 426 <223> OTHER INFORMATION: peptide derived from C-terminal end of deduced amino acid  
 427 sequence of NCP1 gene  
 429 <400> SEQUENCE: 34  
 431 Ser Glu Asp Lys Ala Ala Glu Leu Val Lys Ser Trp Lys Val Gln Asn  
 432 1 5 10 15  
 435 Arg Tyr Gln Glu Asp Val Trp  
 436 20  
 -> 450 8

Delete



VERIFICATION SUMMARY

DATE: 08/25/2004

PATENT APPLICATION: US/10/629,266A

TIME: 15:38:53

Input Set : A:\1010-93.SEQUENCE.ST25.txt

Output Set: N:\CRF4\08252004\J629266A.raw

L:450 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:34✓